

Flyback Transformer for Automotive

Model name

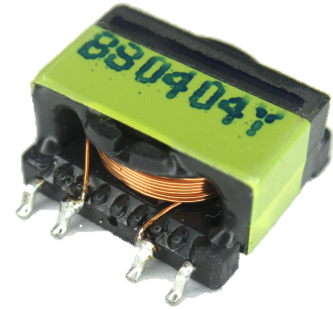
TR11-A-S

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FEATURES

- High voltage isolation
- Small size
- Operation temperature range : -40°C to 125°C
- Applicable for AEC-Q200

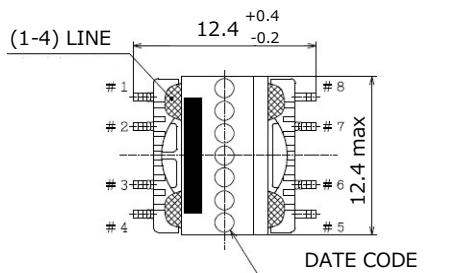


APPLICATION

- For inverter module system.

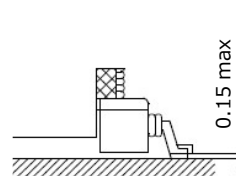
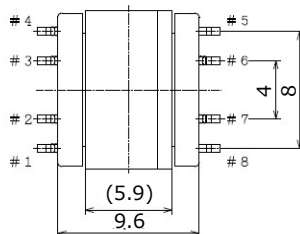
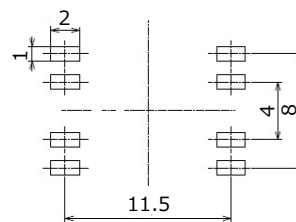
DIMENSION

- Size (L x W x H) : 12.8mm x 12.4mm x 6.0mm (MAX)



Unit : mm / Tolerance : ±0.2

(Land Pattern)



Note.

Products in this catalog are subjected to any modification in their appearance and others for improvement purposes without prior notification. Please confirm your specification when using this product.

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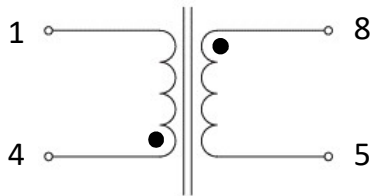
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IC refernce information

- Power supply for IGBT gate driver IC
 - ▶ IC maker : Broadcom
 - ▶ IC model name : ACPL-32JT
 - ▶ Mitsumi model name : TR11-A-S
 - ▶ Mitsumi sample number : DR12-C318

SCHEMATIC



ELECTRICAL CHARACTERISTIC

PARAMETER	TERMINALS	SPECIFICATION	CONDITION
INDUCTANCE	(1-4)	60 μ H \pm 25%	f=1kHz
	(5-8)	240 μ H Typ.	f=1kHz
DCR	(1-4)	620m Ω Max.	—
TURNS RATIO	Pri : Sec	1 : 2	—
WITHSTAND VOLTAGE	Pri : Sec	2.5kV	1 minute

*Operation temperatuer range : -40°C to 125°C

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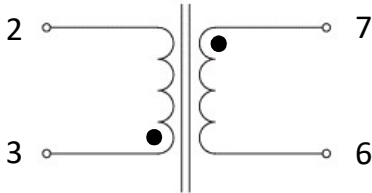
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IC refernce information

- Power supply for IGBT gate driver IC
 - ▶ IC maker : Broadcom
 - ▶ IC model name : ACPL-33JT, ACFJ-3530T, ACFJ-3531T, ACFH-3548T
 - ▶ Mitsumi model name : TR11-A-S
 - ▶ Mitsumi sample number : DR12-C303

SCHEMATIC



ELECTRICAL CHARACTERISTIC

PARAMETER	TERMINALS	SPECIFICATION	CONDITION
INDUCTANCE	(3-2)	8.7 μ H \pm 20%	f=100kHz
	(7-6)	140 μ H Typ.	f=100kHz
DCR	(3-2)	125m Ω Typ.	—
TURNS RATIO	Pri : Sec	1 : 4	—
WITHSTAND VOLTAGE	Pri : Sec	2.5kV	1 minute

*Operation temperatuer range : -40°C to 125°C

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